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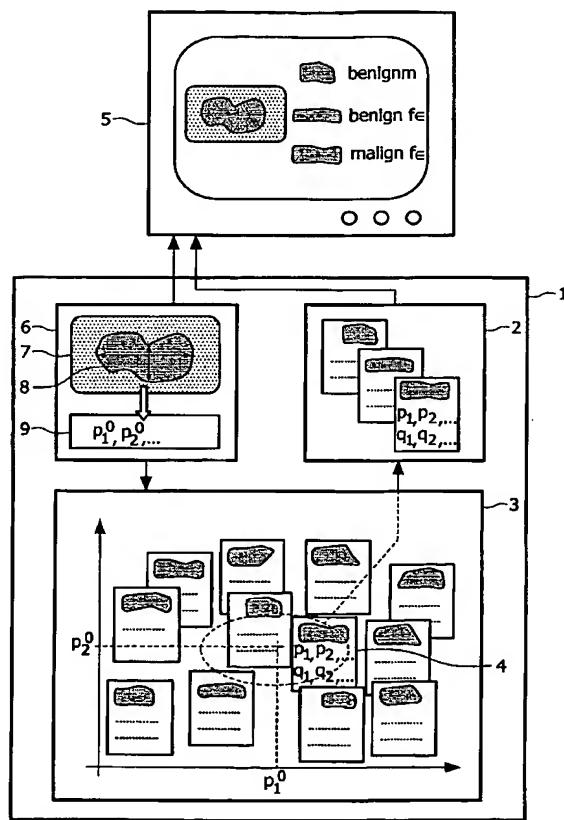
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(54) Title: APPARATUS AND METHOD FOR ASSISTING THE DIAGNOSTIC EVALUATION OF IMAGES



(57) **Abstract:** The invention relates to an apparatus and to a method for assisting a doctor in assessing a potentially pathological structure, such as a tumor (8) for example. In this connection, characteristic parameters (p_1^0, p_2^0, \dots), such as its size or the edge contrast, are determined in a data-processing apparatus (1) from a three-dimensional image (7) of the structure (8). Furthermore, data records (4) with the characteristic parameters (p_1, p_2, \dots) pertaining to documented examples, together with diagnostic additional information (q_1, q_2, \dots), are stored in a database module (3). In the database module (3) it is then possible to establish those data records (4) that are similar to the structure (8) under consideration in respect of the characteristic parameters. These data records can be displayed on a monitor (5) and provide assistance to a doctor in his assessment of the current image.

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